14

AMENDMENTS TO THE DRAWINGS:

Although formal drawings were filed with the U.S. Patent and Trademark Office on September 22, 2000, the Office Action included a Notice of Draftsperson's Patent Drawing Review with objections to the drawings that were filed on March 22, 2000.

Attached to this response are marked up drawing sheets for FIGURES 1, 2, 3, 4, and 14a, showing amendments requested by this response, relative to the formal drawings that were filed on September 22, 2000. For FIGURE 1, reference number 58 has been changed to 57, to avoid a duplication of reference numbers. For FIGURE 2, reference number 68 has been changed to 69, to avoid a duplication of reference numbers. For FIGURE 3, reference numbers 106 and 108 have been changed to 105 and 107, respectively, to avoid a duplication of reference numbers.

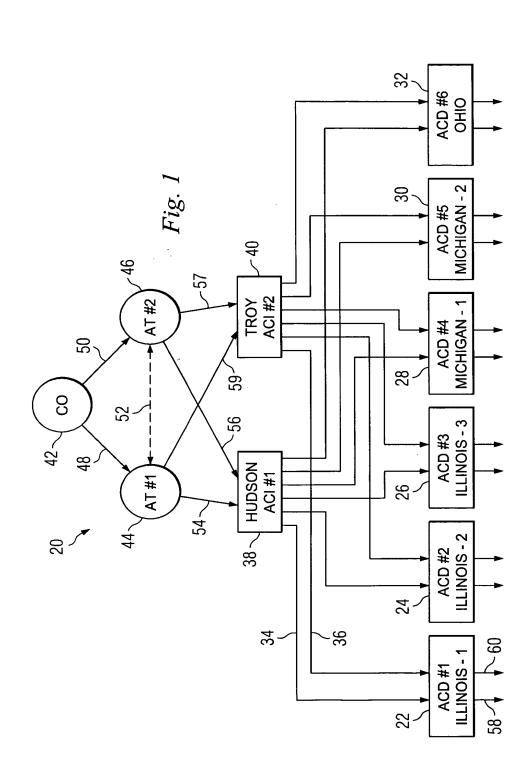
For FIGURE 4, two marked up pages are attached, one based on the formal drawings, and the other based on the informal drawings. Those two pages are marked to show the text from the informal drawings that is being added to the formal drawings. That text was included in the original drawings that were filed with the application, but the text was inadvertently omitted from the formal drawings that were filed on September 22, 2000. For FIGURE 14a, reference number 280 has been changed to 281, to avoid a duplication of reference numbers.

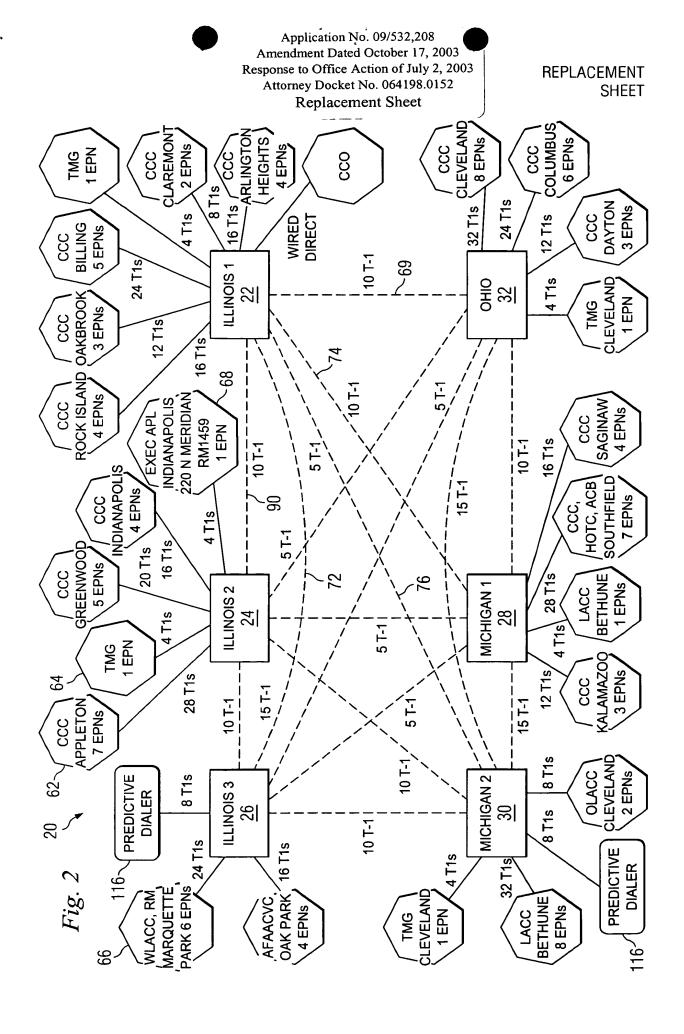
Since the Draftsperson's Review was not based on the formal drawings that were filed on September 22, 2000, a full set of formal drawings is also attached, including FIGURES 1-20 on 20 pages. Those 20 pages include FIGURES 1, 2, 3, 4, 12, 14a, and 18, amended as shown in the marked up sheets referenced above, and labeled as "replacement sheets." The remaining sheets of formal drawings are not labeled as "replacement sheets," because those sheets are identical to the sheets submitted on September 22, 2000.

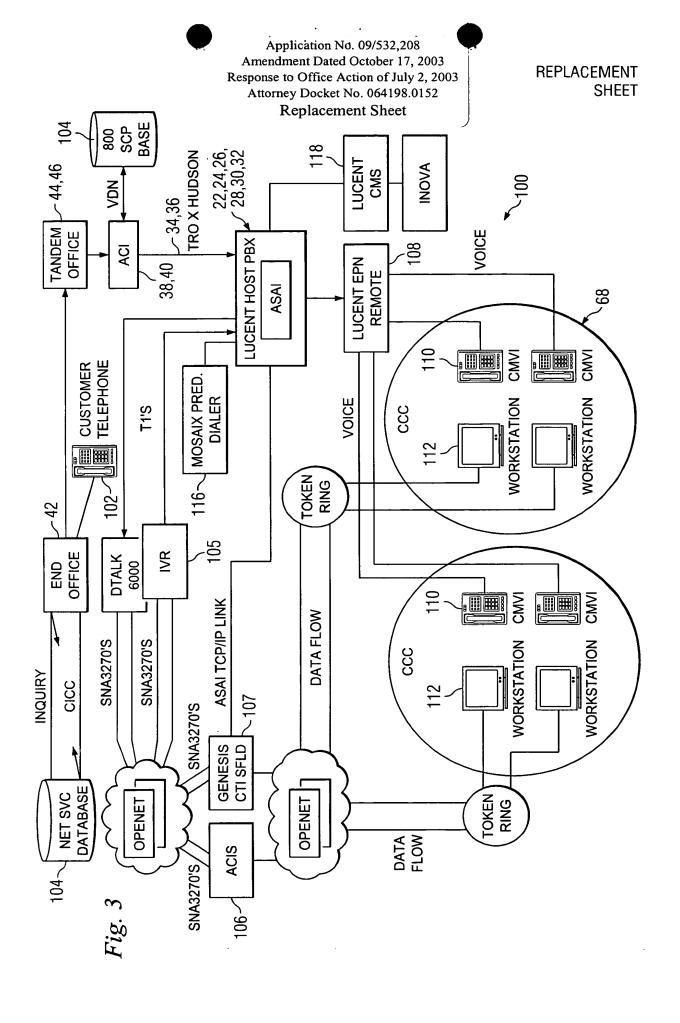
Also attached is a printout from the PTO PAIR system, showing that papers pertaining to the drawings were received by the PTO on September 25, 2000.

Application No. 09/532,208
Amendment Dated October 17, 2003
Response to Office Action of July 2, 2003
Attorney Docket No. 064198.0152
Replacement Sheet

APPR-2012)
B12/28/23







Application No. 09/532,208 Amendment Dated October 17, 2003 Response to Office Action of July 2, 2003 Attorney Docket No. 064198.0152 Replacement Sheet

REPLACEMENT SHEET

130

Fig. 4

	2 6				/
	138	140	142	144 /	146
	TRUNK GROUP	TRKS	oos	%occ	20406080100
150~	TROY	708	0	59%	
	HUDSON	708	0	2%	33 S S S S S S S S S S S S S S S S S S
	DID	96	0	0%	
	IMT CHICAGO 1	214	0	2%	888 88 88 88 88 88 88 88 88 88 88 88 88
	IMT CHICAGO 2	238	0	23%	
	IMT CHICAGO 3	118	0	3%	*** *** *** ***
	IMT CLEVELAND	238	0	1%	
	IMT DETROIT 2	498	0	26%	
	OUT DETROIT	216	0	32%	
	OUT SOUTHFIELD	216	0	0%	
	MICH IVR	288	0	22%	
	CQC				
	EPN'S				
	132				134

ALARM STATUS

There are 0 alarms:

CURRENT SYSTEM STATUS

There are 233 agents active, 68 calls in queue at 10:12.

No TDM blockage. Highest past hour (09:00) occupancy was 35% in PN 1.

No PN blockage. Highest past hour (09:00) occupancy was 24% in PN 28.

User 'rbarnh' connected dial-up.

Occupancy St: 5% Sm: 40% Cp: 14% Idl: 41%

SPE: B/auto A/functional Busied Out Trk: 0 Stn: 0 Oth: 0

	162	164	5/2 11:ACL I 168		Fi	g. 5a
TGN	OE	CKT ID	ALARM STATUS	CSU_A	CSU_Z	MISC
011	003A19	HCGS 324230	NONE	N/A	N/A	TROY TGN 623
	004A18	HCGS 324330	NONE	N/A	N/A	
	002A13	HCGS 324331	NONE	N/A	N/A	
	004A11	HCGS 324332	NONE	N/A	N/A	
١,	001A09	HCGS 324333	NONE	N/A	N/A	
150						

13:ACLTROY

TGN	OE	CKT ID	ALARM STATUS	CSU_A	CSU_Z	MISC
013	005E15	HCGS 324339	NONE	N/A	N/A	TROY TGN 626
	006E15	HCGS 324340	NONE	N/A	N/A	
	005E11	HCGS 324341	NONE	N/A	N/A	
	006E11	HCGS 324342	NONE	N/A	N/A	
	007E10	HCGS 324343	NONE	N/A	N/A	

152

15:ACI TROY

TGN	OE	CKT ID	ALARM STATUS	CSU_A	CSU_Z	MISC
015	003A17	HCGS 324349	NONE	N/A	N/A	TROY TGN 627
	004A17	HCGS 324350	NONE	N/A	N/A	
	004A12	HCGS 324351	NONE	N/A	N/A	
	005A12	HCGS 324352	NONE	N/A	N/A	
	006A12	HCGS 324353	NONE	N/A	N/A	

154

17:ACI TROY

TGN	OE	CKT ID	ALARM STATUS	CSU_A	CSU_Z	MISC
017	004E17	HCGS 324483	NONE	N/A	N/A	TROY TGN 629
	005E17	HCGS 324484	NONE	N/A	N/A	
	006A17	HCGS 324485	NONE	N/A	N/A	
	007A17	HCGS 324486	NONE	N/A	N/A	
	007E17	HCGS 324487	NONE	N/A	N/A	

6/20

18:ACI TROY

TGN	OE	CKT ID	ALARM STATUS	CSU_A	CSU_Z	MISC
018	004E18	HCGS 324488	NONE	N/A	N/A	TROY TGN 624
		HCGS 324489		N/A	N/A	
		HCGS 324490		N/A	N/A	
	007A18	HCGS 324491	NONE	N/A	N/A	
	007E18	HCGS 324492	NONE	N/A	N/A	_

158

19:ACI TROY

TGN	OE	CKT ID	ALARM STATUS	CSU_A	CSU_Z	MISC
019	004E19	HCGS 324493	NONE	N/A	N/A	TROY TGN 634
	005E19	HCGS 324494	NONE	N/A	N/A	
	004E13	HCGS 324495	NONE	N/A	N/A	
	005E13	HCGS 324496	NONE	N/A	N/A	
	006E14	HCGS 324497	NONE	N/A	N/A	5

1**60**

Fig. 5b

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7/20

CALL ACI, CHOOSE OPTION 2 FOR TROUBLE REFERRALS.

CIRCUIT DETAILS

CKT S /HCGS/324230 CLO MIS123927001 CAC SVF2BP3 CUST AME		PRQ SSP TSP MSC	DWOO Z DTRTMIBL6CD N MCO DTRTMIBHSHC PG 01 OF 04
M SEQ A LOCATION SV	EQPT/FAC RR/TYPE	UNIT A TLP Z	SBDV/MISC TP
002 E	THIS IS A PRO-CDS		N
004 I 006 X TROYMIUOWOO	MODEL = 8589 DESI ** LINE C ODE=B8Z**	GN = 2	N N
008 X TROYMIUOWOO	**SIGNAL CODE=ESF	t *	N
	FLOWTHRU ID:HICAP - A		: 041295 130406 N
012 TROYMIUOWOO	04DS6/ 44 /		NI
014	HCG-		NC
016			STA ADDR N
018	TROY		EU CITY N
020 022 W TROYMIUOWOO	MI DEMARC		EU STATE N S
024 TROYMIUOWOO	POI		XA
026 W X4	806 T3	2	IC X#
028			OWNER=B-BX XX
030			E=DTRTMIBLK07 XX
032	MB 0094.5		MI 0094.5 ZL D#
034 DTRTMIBLK07	EE31F	1010	F07/07 /0397 XZ
036 DTRTMIBLK06 CKT S /HCGS/324230	T3MAE412 040473.11	1916	F66/13 /08 /4 XM
CKT S /HCGS/324230 CLO MIS123927001	/MB DV ACT IE IND		OWOO Z DTRTMIBL6CD N MCO DTRTMIBHSHC
	RITECHCOMMUNICATI PUL	•	PG 02 OF 04
	EQPT/FAC RR/TYPE	UNIT A TLP Z	SBDV/MISC TP
038 DTRTMIBLK07	T1MBDX01 040483.02B		XH
040 DTRTMIBLK07	T1MBDY01 040482.02C	CSSA2	XH
042 DTRTMIBLK07	T1MBDZ01 040482.02B	ESSA2	XH
044 DTRTMIBLK07	T1MBD901 040480.12A	1	XH
046 DTRTMIBLK07			2711
048 DTRTMIBLK07	T1MBD901 040480.12A		XH
	DCS55NNN	SC	XF
050 DTRTMIBLK07 052 DTRTMIBLK07		SC	

Fig. 6a

8/20

		-, -	_				
054 E DTRTMIBLK07	/K07	/FE/DAB/	01/				N1
056 E DTRTMIBLK07	035-16			1			N2
058 E DTRTMIBLK07	T1 /						N3
060 DTRTMIBLK07	T1MBDX01	040483.02B	ACSA				EH
062 DTRTMIBLK07	T1MBDY01	040482.01C	CSSA1		•		EH
064 DTRTMIBLK07	T1MBDZ01	040482.01B	ESSA1				EH
066 DTRTMIBLK07	T1MBD801	040481.03A	. 1				EH
068 DTRTMIBLK07	T1MBD831	040481.03A	1-27			•	EH
070 DTRTMIBLK07		DCS5NNNF	7				F#
072 W DTRTMIBLK07	T1MBD8S1	040482.01B	035-16		F93/03	/02 /44	EU
CKT S /HCGS/324230	/MB			A TROYMIUO	WOO Z D	TRTMIBL	3CD
CLO MIS123927001	DV A	CT IE IND	PRQ SSP	TSP MSC	N MCO D	TRTMIBH:	SHC
CAC SVF2BP3 CUST AMER					PG 0	3 OF 04	_
M SEQ A LOCATION SV	EQPT/FAC	RR/TYPE	UNIT	A TLP Z	SBDV/I	MISC	TP
074 DTRTMIBLK07				٠	F07/07	/035	EX
076 DTRTMIBLK07							EX
078 DTRTMIBLK07		E=ANSI403;					EX
080 DTRTMIBLK07	·	ORMAT MUST	= ESF;				EX
082 DTRTMIBLK07	NEPM=OF	-					EX
084 DTRTMIBL		NCT2YGEEE					F#
086 W DTRTMIBL	T1ML1971		0114		F93/07	/06 /14	EM
088 W DTRTMIBL	T11UJ222	IP03191235					Р
090 DTRTMIBL	-	ARTJACK**					PX
092 DTRTMIBL	-	ABLE,S2-2					PX
094 DTRTMIBL	-	=DISABLE, S					PX
096 DTRTMIBL	•	-5=ESF, S3					PX
098 DTRTMIBL	-	RT, S5=DISA	A BLE,S				PX
100 DTRTMIBL	6=ON, S7=	ENABLE					PX
102 W DTRTMIBL6CD	DEMARC				0T4 400	_	S
104	44				STA ADD	Н	N
106	11				EU FLR		N
108	1129			4 TD0\/4440	EU ROOM		N
CKT S /HCGS/324230	/MB	OT IC IAID	DDO CCD	A TROYMIUO			
CLO MIS123927001 CAC SVF2BP3 CUST AMER					N MCO D		OHC
			O WW I UNIT	A TLP Z		4 OF 04	TD
110	EQPT/FAC DETROIT	NNIITE	UNIT	AILPZ	SBDV/I EU CITY	MISC	TP
112	MI				EU STATE	=	N N
114 DTRTMIBL6CD	04DU9/	1SN/			LUQIAIL	-	NI
116 DTRTMIBL6CD	-	6CD CONSUI	M FR				NX
		35 3011001	** L	Fig	6h		14/

Fig. 6b

9/20 EPN: BETHUNE (IT)

EPN	HOST PORT	CKT ID	STATUS	CSU_A	CSU_Z	REMOTE PORT
14		DHDZ 791565				008 A 02 A
				144.151.178.38	N/A	008 A 02 B
		DHDZ 791567			N/A	008 A 02 C
	001 C 12 D	DHDZ 791568	NONE	144.151.178.40	N/A	008 A 02 D

EPN: KALAMAZOO

EPN	HOST	CKT ID	SHAFTYS	CSU_A	CSU_Z	REMOTE PORT
25	001 C 11 A	DHDZ 708222	NONE	144.151.178.57	N/A	020 A 02 A
	001 C 11 B	DHDZ 708223	NONE	144.151.178.58	N/A	020 A 02 B
	001 C 11 C	DHDZ 708224	NONE	144.151.178.59	N/A	020 A 02 C
	001 C 11 D	DHDZ 708225	NONE	144.151.178.60	N/A	020 A 02 D
26	001 E 01 A	DHDZ 708226	NONE	144.151.178.149	N/A	021 A 02 A
 	001 E 01 B	DHDZ 708227	NONE	144.151.178.150	N/A	021 A 02 B
1	001 E 01 C	DHDZ 708228	NONE	144.151.178.151	N/A	021 A 02 C
<u> </u>	001 E 01 D	DHDZ 708229	NONE	144.151.178.152	N/A	021 A 02 D
27	002 B 11 A	DHDZ 708230	NONE	144.151.178.153	N/A	022 A 02 A
	002 B 11 B	DHDZ 708231	NONE	144.151.178.154	N/A	022 A 02 B
	002 B 11 C	DHDZ 708232	NONE	144.151.178.155	N/A	022 A 02 C
	002 B 11 D	DHDZ 708233	NONE	144.151.178.156	N/A	022 A 02 D

EPN: SAGINAW

EPN	HOST PORT	CKT ID	ALARM STATUS	CSU_A	CSU_Z	REMOTE PORT
28	002 E 01 A	DHDZ 708234	NONE	144.151.178.25	N/A	023 A 02 A
	002 E 01 B	DHDZ 708235	NONE	144.151.178.26	N/A	023 A 02 B
	002 E 01 C	DHDZ 708236	NONE	144.151.178.27	N/A	023 A 02 C
	002 E 01 D	DHDZ 708237	NONE	144.151.178.28	N/A	023 A 02 D
29	002 E 21 A	DHDZ 708238	NONE	144.151.178.41	N/A	024 A 02 A
	002 E 21 B	DHDZ 708239	NONE	144.151.178.42	N/A	024 A 02 B
ŀ	002 E 21 C	DHDZ 708240	NONE	144.151.178.43	N/A	024 A 02 C
	002 E 21 D	DHDZ 708241	NONE	144.151.178.44	N/A	024 A 02 D
30	003 E 01 A	DHDZ 708242	NONE	144.151.178.121	N/A	025 A 02 A
	003 E 01 B	DHDZ 708243	NONE	144.151.178.122	N/A	025 A 02 B
	003 E 01 C	DHDZ 708244	NONE	144.151.178.123	N/A	025 A 02 C
	003 E 01 D	DHDZ 708245	NONE	144.151.178.124	N/A	025 A 02 D
31	003 E 21 A	DHDZ 708246	NONE	144.151.178.137	N/A	026 A 02 A
	003 E 21 B	DHDZ 708247	NONE	144.151.178.138	N/A	026 A 02 B
	003 E 21 C	DHDZ 708248	NONE	144.151.178.139	N/A	026 A 02 C
	003 E 21 D	DHDZ 708249	NONE	144.151.178.140	N/A	026 A 02 D

Fig. 7a

10/20

EPN: SOUTHFIELD

EPN	HOST PORT	CKT ID	STATUS	CSU_A	CSU_Z	REMOTE PORT
17	001 D 10 A	DHDZ 708302	NONE	144.151.178.17	N/A	013 A 02 A
	001 D 10 B	DHDZ 708303	NONE	144.151.178.18	N/A	013 A 02 B
	001 D 10 C	DHDZ 708304	NONE	144.151.178.19	N/A	013 A 02 C
	001 D 10 D	DHDZ 708305	NONE	144.151.178.20	N/A	013 A 02 D
18	001 D 11 A	DHDZ 708306	NONE	144.151.178.33	N/A	014 A 02 A
	001 D 11 B	DHDZ 708307	NONE	144.151.178.34	N/A	014 A 02 B
	001 D 11 C	DHDZ 708308	NONE	144.151.178.35	N/A	014 A 02 C
	001 D 11 D	DHDZ 708309	NONE	144.151.178.36	N/A	014 A 02 D
19	002 A 11 A	DHDZ 708310	NONE	144.151.178.49	N/A	015 A 02 A
	002 A 11 B	DHDZ 708311	NONE	144.151.178.50	N/A	015 A 02 B
	002 A 11 C	DHDZ 708312	NONE	144.151.178.51	N/A	015 A 02 C
	002 A 11 D	DHDZ 708313	NONE	144.151.178.52	N/A	015 A 02 D
20	002 B 10 A	DHDZ 708314	NONE	144.151.178.113	N/A	016 A 02 A
	002 B 10 B	DHDZ 708315	NONE	144.151.178.114	N/A	016 A 02 B
	002 B 10 C	DHDZ 708316	NONE	144.151.178.115	N/A	016 A 02 C
	002 B 10 D	DHDZ 708317	NONE	144.151.178.116	N/A	016 A 02 D
21	003 A 10 A	DHDZ 708318	NONE	144.151.178.129	N/A	017 A 02 A
	003 A 10 B	DHDZ 708319	NONE	144.151.178.130	N/A	017 A 02 B
	003 A 10 C	DHDZ 708320	NONE	144.151.178.131	N/A	017 A 02 C
	003 A 10 D	DHDZ 708321	NONE	144.151.178.132	N/A	017 A 02 D
22	003 A 11 A	DHDZ 708322	NONE	144.151.178.145	N/A	018 A 02 A
	003 A 11 B	DHDZ 708323	NONE	144.151.178.146	N/A	018 A 02 B
	003 A 11 C	DHDZ 708324	NONE	144.151.178.147	N/A	018 A 02 C
	003 A 11 D	DHDZ 708325	NONE	144.151.178.148	N/A	018 A 02 D

Fig. 7b

11/20

ATEST (TIMES) ALARM MESSAGE.

12/19 14:02 ->05A0401 PGATE-PT MINOR

01:27 ->37 A-PNC FIBER-LK MINOR 01:35 ->35 A-PNC FIBER-LK MAJOR 04:35 2/21

01:35 ->37 A-PNC FIBER-LK MAJOR 04:34

2/21 2/2 2/21 2/21 2/2 2/21 2/21

01:26 ->25\(\overline{A}\)01:26 ->25\(\overline{A}\)01:01 SYS-LINK MINOR (@EPN 30-SAGINAW) 04:34

01:35 ->26A0101 SYS-LINK MINOR (@EPN 31-SAGINAW 11:37 ->38 A-PNC FIBER-LK MAJOR 12/21

04:34 04:21

ල 04:21

01:26 ->36 A-PNC FIBER-LK MINOR 01:26 ->38 A-PNC FIBER-LK MINOR 01:26 ->35 A-PNC FIBER-LK MINOR 01:40 ->03\(\overline{\text{E}}\)21-FAC MINOR (@EPN 31-SAGINAW)

04:21

2/21

2/21 2/21

12/21 3 9

12/21 3 04:20 04:20

01:27 ->PN 28 EXP-PN MAJOR 01:35 ->36 A-PNC FIBER-LK MAJOR 01:26 ->23\(\overline{A}\)01:26 ->23\(\overline{A}\)01:20 12/21 $\widehat{\Omega}$ 04:20

01:39 ->PN 31 EXP-PN MAJOR 12/21 12/21 <u>ල</u> $\overline{\mathcal{A}}$ 04:20 04:20 2/21

01:41 ->03E20 SN-CONF MAJOR (EPN 31-SAGINAW) 01:35 ->PN 30 EXP-PN MAJOR 12/21 <u>ල</u> 04:20 04:20 2/21 2/21 2/21

01:29 ->24A0101 SYS-LINK MINOR (@EPN 29-SAGINAW) **@EPN 31-SAGINAW** 01:40 ->02E20 SN-CONF MAJOR (EPN 29-SAGINAW) 01:26 ->26A01 EXP-INTF MINOR (12/21 12/21 $\overline{\Omega}$ 04:20 04:18 2/21 2/21

01:40 ->02E01A DS1-FAC MINOR (EPN 28-SAGINAW) 12/21 2/21

01:35 ->03E03 SN-CONF MAJOR (EPN 30-SAGINAW) 01:37 ->PN 29 EXP-PN MAJOR 12/21 12/21 2/2 2/21

(@EPN 30-SAGINAW 01:39 ->03E21D DS1-FAC MINOR (EPN 31-SAGINAW 01:39 ->02E21A DS1-FAC MINOR (EPN 29-SAGINAW 01:44 ->25A01 EXP-INTF MINOR (12/21 12/21 02:10 02:05 02:03 2/21 2/21

->02E03 SN-CONF MAJOR (12/21 02:01 02:01 02:01 2/2

EPN 28-SAGINAW

(EPN 29-SAGINAW **EPN 29-SAGINAW**

L

Web-Based Monitoring Tool Serial No. 09/532,208 Filed March 22,2000

Attorney Docket No. 064198.0152

170

- MIC1 AGENT STATUS -(AS OF THU DEC 30 08:35:25 1999 CDT)

12/20

SPLIT/ SKILL	AGENTS ACTIVE	QUEUED CALLS	LONGEST WAIT	GATE NAME
99	2	0	0:00	SYSTEM PORTS
200	115	57	3:44	STHFLD UNIV 200
204	1	0	0:00	MI CSST
231	3	0	0:00	HOTC INBOUND
256	4	0	0:00	MI ASST COACH
260	1	0	0:00	KALAMAZOO ACE
263	1	0	0:00	SOUTHFIELD ACE
	127	57	3:44	** TOTALS **
1	72	174	176	Fig. 9

BETHUNE-EPN 14 (CABINET 8)

PORT\CARD	08A03	08A04	08A05	08A06
1	59400	59424		
2	59401	59425		
3	59402	59426		
4	59403	59427		
5	59404	59428		
6	59405	59429		
7	59406	59430		
8	59407	59431		
9	59408	59432		
10	59409	59433		
11	59410	59434		
12	59411	59435		
13	59412	59436		
14	59413	59437		
15	59414	59438		
16	59415	59439		
17	59416	59440		
18	59417	59441		
19	59418	59442	<u> </u>	
20	59419		<u> </u>	
21	59420			
22	59421			
23	59422			
24	59423		 -	

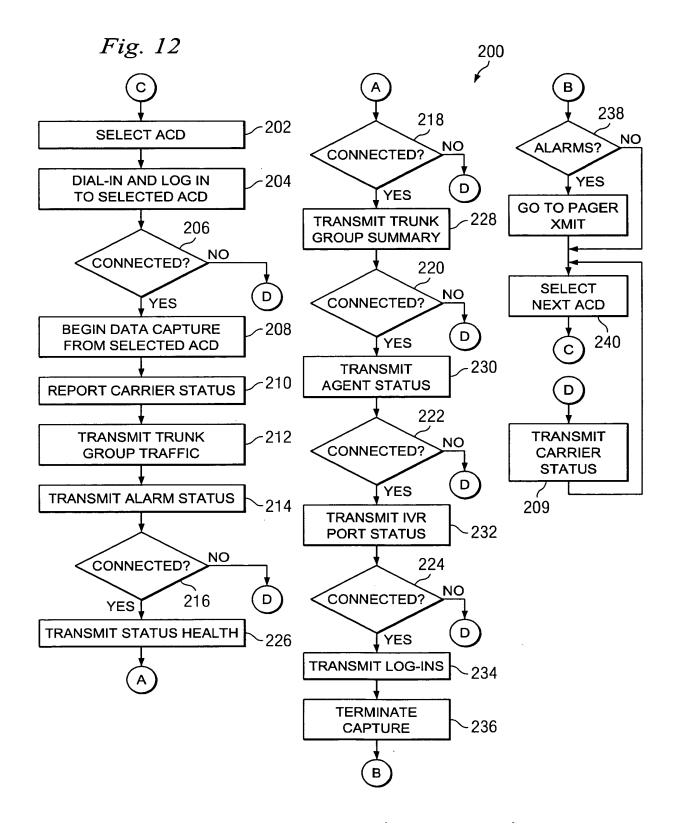
Fig. 10

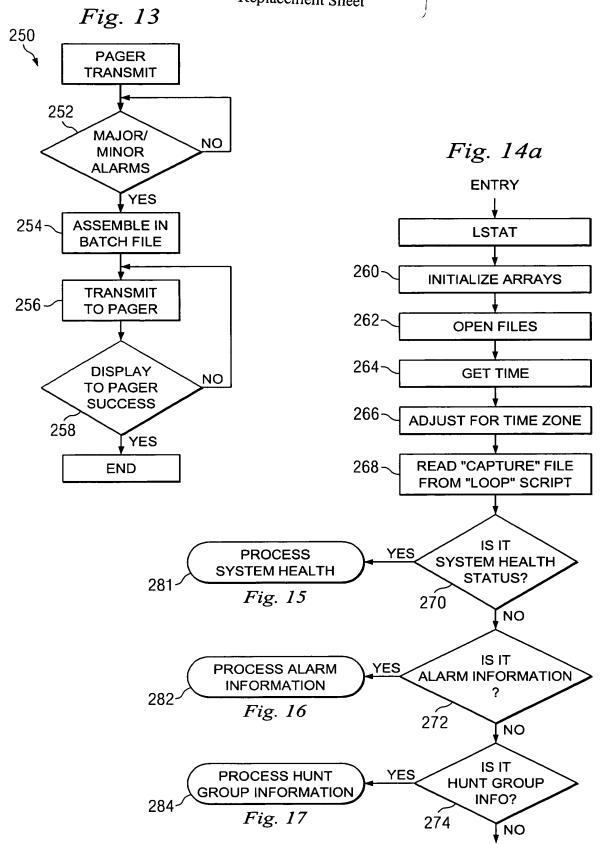
- MIC1 TRAFFIC LOAD- 13/20 (PAST HOUR / PEAK FOR THU DEC 30 08:35:25 1999 CDT)

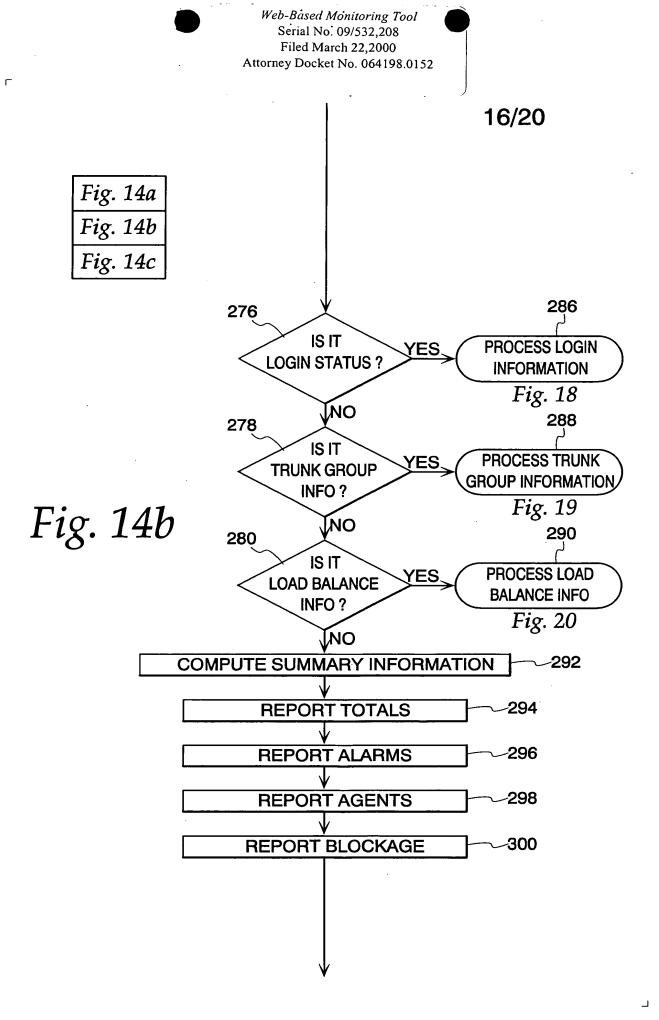
¹⁸⁸ Fig. 11

				O
PORT NETWORK	NAME	TDM OCC	PN OCC	20 60 80 100
1	HOST CABINET 1	16	5	
2	HOST CABINET 2	10	6	
3	HOST CABINET 3	6	4	
4	HOST CABINET 4	6	4	
5	HOST CABINET 4	7	5	
6	HOST CABINET 5	2	1	
7	HOST CABINET 5	9	6	
8	HOST CABINET 6	3	2	
9	HOST CABINET 6	6	4	
10	HOST CABINET 7	3	2	
11	HOST CABINET 7	3	2	
23	HOST CABINET 19	0	0	
24	HOST CABINET 19	2	2	
32	HOST CABINET 27	3	2	
12	HOST CABINET 28	6	4	
13	HOST CABINET 29	8	5	
14	BETHUNE		0	
25	KALAMAZOO	2	7	
26	KALAMAZOO	4	11	
27	KALAMAZOO	2	7	
28	SAGINAW	3	8	
29	SAGINAW	4	11	
30	SAGINAW	2	6	
31	SAGINAW	1	2	
17	SOUTHFIELD	2	6	
	SOUTHFIELD	2	5	
19	SOUTHFIELD	3	10	
	SOUTHFIELD	2	7	
21	SOUTHFIELD	2	5	
	SOUTHFIELD	2		
400	(10.	ر م	
180	182	184	186	190 192

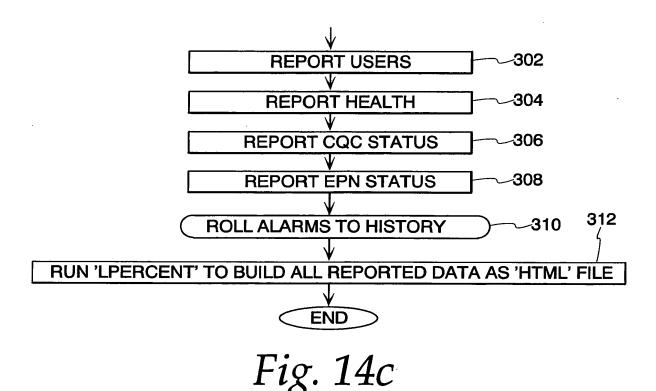
REPLACEMENT SHEET







17/20



CHECK PROCESSOR OCCUPANCY

CHECK SYSTEM IDLE TIME

CHECK ACTIVE PROCESSOR

CHECK FOR MAINTENANCE LOCK-OUT

RETURN

314

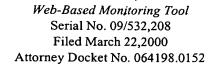
CHECK FOR MAINTENANCE LOCK-OUT

320

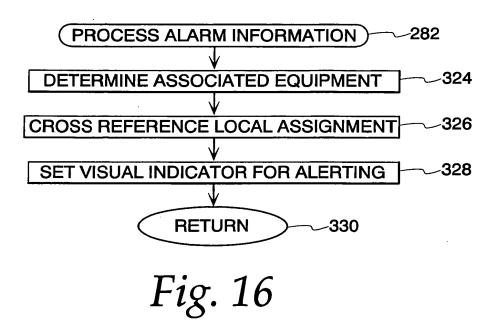
RETURN

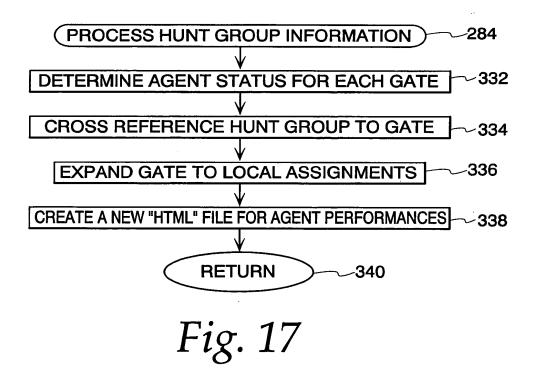
322

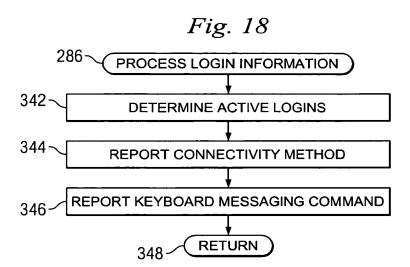
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18/20







PROCESS LOAD BALANCE INFORMATION

350 READ HISTORICAL PERFORMANCE

352 UPDATE WITH CURRENT PERFORMANCE

354 CREATE A NEW "HTML" LOAD BALANCE FILE

356 REPORT BLOCKAGE THRESHOLDS

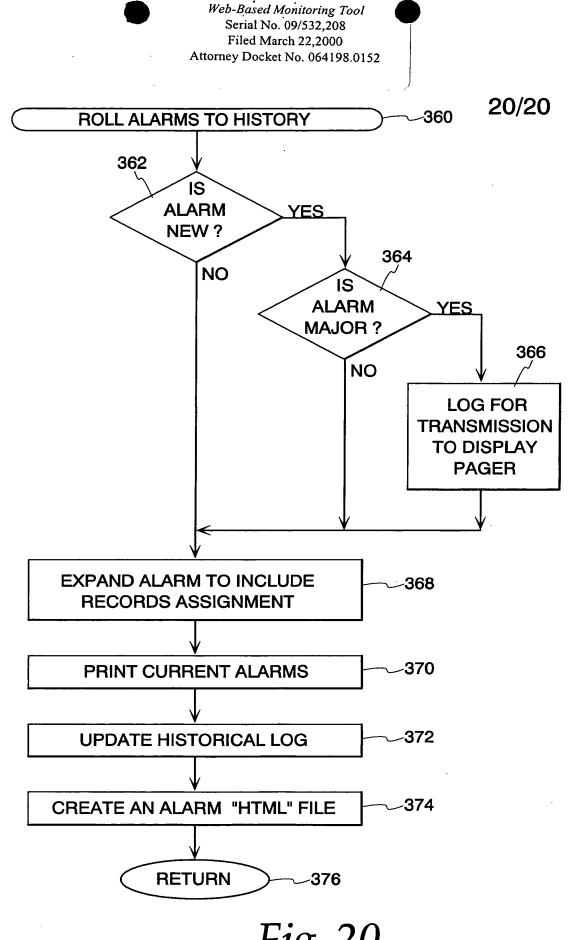


Fig. 20